

Date: Wed, 14 Sep 94 04:30:35 PDT  
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>  
Errors-To: Ham-Homebrew-Errors@UCSD.Edu  
Reply-To: Ham-Homebrew@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Homebrew Digest V94 #273  
To: Ham-Homebrew

Ham-Homebrew Digest                      Wed, 14 Sep 94                      Volume 94 : Issue    273

Today's Topics:

                    100 MHz TTL Clock  
                    87C750 information available  
                    A call for documents...  
Circuit Board Specialists of Pueblo, CO?  
Difference between 3SK73GR and 3SK73Y  
                    Ham-Homebrew Digest V94 #272  
Homemade antenna tap for instruments?  
                    Old BiPolar High Voltage Xstr?  
                    xtal filters (2 msgs)

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>  
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 13 Sep 94 15:32:58 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 100 MHz TTL Clock  
To: ham-homebrew@ucsd.edu

Getting overtone gate-oscillators to run can be kind of a pain, at times...

Certainly, you are not likely to find fundamental-mode crystals for over  
30 MHz in many places (they *do* exist...)

Perhaps the easiest thing to do (what I would do...) is open up the  
electronics catalog (I just opened up a jameco catalog) and order  
a 100 MHz TTL "canned" oscillator... \$4.95, PN 76857.

Now, if you \*do\* want to build your own oscillator, then you can get a crystal (custom: >= \$11.00) and kludge it into a tank circuit to force it to ring on the desired overtone, all possibly using an F or S series gate (or one of those CMOS devices with the goofy pinout...) and you'll be done... You'll certainly learn more that way:-)

<Clint>

ka7oei@uugate.wa7slg.ampr.org

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Date: 11 Sep 1994 01:05:26 GMT  
From: nmt.edu!chaos.aoc.nrao.edu!lynx.unm.edu!nntp.sunbelt.net!swiss.ans.net!  
solaris.cc.vt.edu!news.duke.edu!news-feed-1.peachnet.edu!hobbes.cc.uga.edu!  
aisun3.ai.uga.edu!@ihnp4.ucsd.edu  
Subject: 87C750 information available  
To: ham-homebrew@ucsd.edu

On ai.uga.edu, /pub/hardware, I have posted some information about the Philips 87C750/1/2 microcontrollers, including an assembler, an update for the software in the DS-750 kit, and a notebook of some of my own early experiences and code. Responses welcome.

--  
< Michael A. Covington, Assc Rsch Scientist, Artificial Intelligence Center >  
< The University of Georgia, Athens, GA 30602-7415 USA mcovingt@ai.uga.edu >  
< Unless specifically indicated, I am not speaking for the University. > <><  
> "To 'see through' all things is the same as not to see them." -C.S. Lewis <

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Date: Mon, 12 Sep 1994 03:36:20 GMT  
From: netcomsv!netcom.com!hindman@decwrl.dec.com  
Subject: A call for documents...  
To: ham-homebrew@ucsd.edu

A call for documents...

Interact is soliciting for the submission of computer-readable documents of all types for addition to the Interact On-line Information System.

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Date: Tue, 13 Sep 1994 16:51:43 GMT  
From: psinntp!arrl.org!zlau@uunet.uu.net  
Subject: Circuit Board Specialists of Pueblo, CO?  
To: ham-homebrew@ucsd.edu

Richard F. Lukes (rflukes@silver.cs.umanitoba.ca) wrote:  
: Does anyone know if Circuit Board Specialists of Pueblo, CO are  
: still in business? They used to make printed circuit boards for  
: many of the projects in QST magazine.

He informed us that he closed up shop.

You may be able to get boards from FAR Circuits  
18N640 Field Ct  
Dundee IL 60118

Fred has a daytime job to pay the bills, so I think he only takes mail orders (no secretary to take phone orders)

--  
Zack Lau KH6CP/1 2 way QRP WAS  
8 States on 10 GHz  
Internet: zlau@arrl.org 10 grids on 2304 MHz

-----  
Date: Tue, 13 Sep 1994 18:00:55 GMT  
From: dog.ee.lbl.gov!news.cs.utah.edu!cs.utexas.edu!howland.reston.ans.net!  
vixen.cso.uiuc.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!krypton.hpc.sdsmt.edu!  
ep06\_ee.sdsmt.edu!@ihnp4.ucsd.edu  
Subject: Difference between 3SK73GR and 3SK73Y  
To: ham-homebrew@ucsd.edu

Can any one tell me the difference between 3SKGR and 3SK73Y ?  
I think one has higher gm than the other, but I have no idea.

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Date: 13 Sep 94 14:32:43 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Ham-Homebrew Digest V94 #272  
To: ham-homebrew@ucsd.edu

unsubscribe scott.mickelbank@analog.com

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Date: Tue, 13 Sep 1994 17:54:17 GMT  
From: news!jerald@uunet.uu.net  
Subject: Homemade antenna tap for instruments?  
To: ham-homebrew@ucsd.edu

I would like to tap into my antenna coax and hook my frequency counter and/or the oscilloscope to watch my output signal.

AES has Bird taps at \$80.00 which strikes me as being a little high. (no doubt the product is worthwhile but for what I want to do...)

Is there a simple way to have a permanent tap off the coax that I can feed to my instruments?

I've thought about taking a few turns of wire around the outside of the coax and feeding that to the counter/scope. Though I worry that the signal level might be too great.

Someone posted here about a tap where they attached to the shield and a 1 meg resistor to the center conductor (I think), but I was asleep when that one went by. If some kind soul still has that post, I would be grateful.

Anybody have any other ideas?

Many thanks for your time,  
73 de KC6RT0.

--

Jerald R. Pendleton Email: jerald@wrs.com, Personal Email: jrpend@netcom.com

The preceeding message represents only the opinon of the author. This do not represent the opinions/positions of Wind River Systems, my mother, my wife or my poodle.

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Date: Mon, 12 Sep 1994 23:24:26 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!newshub.nosc.mil!crash!nctams1!pnet16!tjenkins@network.ucsd.edu  
Subject: Old BiPolar High Voltage Xstr?  
To: ham-homebrew@ucsd.edu

I've several of these marked: 'AT5058', but my local source can't cross 'em. Are they perhaps the same as 2N5058, or ECG/NTE 154?

--Tom

INET: tjenkins@pnet16.navy.mil

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Date: Mon, 12 Sep 1994 21:41:35 GMT  
From: (null)@oddjob.uchicago.edu@network.ucsd.edu  
Subject: xtal filters  
To: ham-homebrew@ucsd.edu

I am after a 250Hz CW filter for an FT101Z, and any improved mixer in the reciever (To fix 40m intermodulation distortion).

Some helpful person has suggested I try International Radio and Computers in Florida, who apparently, sell crystal filters for many old rigs, but unfortunatly had not 'phone number etc.

I telephoned Amateur Electronics Supply, Good Hope Rd, MilWaulkee, who suggested I try the Foxtrot-Tango Club, Also in Florida, who manufacture filters for old radios.

Does anybody have e-mail, Voice or Fax numbers for either of these

oddjob@cix.compulink.co.uk

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Date: Sun, 11 Sep 94 18:04:00 -0500  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!iat.holonet.net!wwwswinc!geoff.kennedy@network.ucsd.edu  
Subject: xtal filters

To: ham-homebrew@ucsd.edu

Whilst pondering the question of Re: xtal filters, Dana H. Myers  
sayeth unto All:

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> st.Sun.COM>
> Newsgroup: rec.radio.amateur.homebrew
> Organization: Sun Microcomputer Corporation

> In article 15967@rogue.com, dshalita@rogue.com (David Shalita)
> writes: >I also need to build xtal filters for a NE-602 project and
> this method >looks attractive. Need following filters:
>      10.7 mhz 55 khz bandwidth
>      10.7 mhz 15 khz bandwidth
>

> It isn't worth the trouble. A&A parts is always at the TRW swap meet
> selling 30KHz and 15KHz xtal filters for maybe $7/ea. You can probably
> do better if you go to a distributor, but there's likely to be a
> minimum order.

> The 55KHz wide filter may be a problem, but I bought a couple of 15KHz
> filters from A&A last year.
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Spectrum International makes 40 KHz wide filters - the XF-107E.

The info I have is circa 1987, but they were running around \$77 back  
then.

SPECTRUM INTERNATIONAL INC.  
P.O. Box 1084  
Concord, Mass. 01742  
  
(617) 263-2145

... A tree never hits an automobile except in self defense.  
--- Blue Wave/Max v2.12  
\* Origin: Frog Hollow Port Moody BC 604-469-0264 (1:153/290)

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End of Ham-Homebrew Digest V94 #273

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